PROYECTO MINA DE COBRE PANAMA

ESTUDIO DE IMPACTO AMBIENTAL (EsIA)
CATEGORIA III

INFORME MENSUAL DE PRECIPITACIÓN

Documento No.
1610-013

Compromisos de EsIA Aplicables	Informe N°	Periodo reportado	Elaborado por	Fecha de Emisión del Reporte
13189	16010	Octubre 2016	Water & Earth Technologies	01/11/2016

PRECIPITATION REPORT

Station Number: 40080 Colina Vivero

LOCATION.-- Lat 8°49'39.06"N Long 80°39'24.6"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 06/23/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 253.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.00	0.00	9.00	0.00	0.00	34.00	14.00	30.00	0.00	6.00	---	---
2	26.00	3.00	3.00	0.00	64.00	3.00	11.00	5.00	0.00	0.00	---	---
3	5.00	0.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	2.00	---	---
4	3.00	0.00	2.00	1.00	14.00	0.00	16.00	0.00	0.00	9.00	---	---
5	27.00	12.00	2.00	1.00	0.00	6.00	6.00	13.00	0.00	0.00	---	---
6	36.00	0.00	0.00	3.00	0.00	6.00	2.00	0.00	0.00	17.00	---	---
7	4.00	4.00	0.00	3.00	82.00	37.00	1.00	42.00	10.00	25.00	---	---
8	0.00	7.00	0.00	4.00	2.00	0.00	0.00	0.00	7.00	10.00	---	---
9	0.00	6.00	21.00	18.00	0.00	13.00	12.00	2.00	0.00	5.00	---	---
10	0.00	31.00	2.00	11.00	0.00	4.00	2.00	5.00	2.00	3.00	---	---
11	2.00	16.00	1.00	2.00	4.00	1.00	2.00	0.00	0.00	7.00	---	---
12	2.00	5.00	0.00	0.00	11.00	1.00	17.00	2.00	23.00	17.00	---	---
13	4.00	7.00	0.00	0.00	17.00	1.00	10.00	23.00	7.00	37.00	---	---
14	0.00	11.00	0.00	1.00	64.00	14.00	10.00	0.00	2.00	0.00	---	---
15	0.00	0.00	0.00	0.00	0.00	1.00	4.00	0.00	13.00	0.00	---	---
16	7.00	3.00	0.00	0.00	0.00	0.00	42.00	0.00	0.00	2.00	---	---
17	0.00	13.00	0.00	2.00	3.00	0.00	2.00	27.00	15.00	7.00	---	---
18	0.00	33.00	3.00	25.00	18.00	1.00	60.00	20.00	18.00	0.00	---	---
19	2.00	4.00	0.00	3.00	0.00	5.00	3.00	25.00	31.00	41.00	---	---
20	34.00	10.00	0.00	34.00	5.00	1.00	40.00	9.00	0.00	20.00	---	---
21	0.00	4.00	1.00	4.00	13.00	14.00	28.00	0.00	23.00	1.00	---	---
22	0.00	2.00	5.00	0.00	0.00	6.00	1.00	10.00	1.00	22.00	---	---
23	7.00	5.00	1.00	0.00	7.00	21.00	1.00	21.00	0.00	4.00	---	---
24	26.00	0.00	1.00	13.00	2.00	16.00	13.00	30.00	8.00	16.00	---	---
25	0.00	0.00	4.00	1.00	16.00	0.00	2.00	0.00	3.00	1.00	---	---
26	1.00	6.00	0.00	0.00	2.00	0.00	13.00	1.00	0.00	12.00	---	---
27	0.00	5.00	4.00	38.00	5.00	0.00	29.00	0.00	0.00	6.00	---	---
28	0.00	9.00	1.00	10.00	12.00	0.00	75.00	29.00	23.00	0.00	---	---
29	9.00	11.00	1.00	0.00	2.00	29.00	0.00	0.00	1.00	3.00	---	---
30	8.00	---	3.00	0.00	0.00	42.00	0.00	0.00	43.00	12.00	---	---
31	2.00	---	0.00	---	54.00	---	0.00	12.00	---	2.00	---	---
TOTAL	221.00	207.00	64.00	174.00	430.00	256.00	416.00	306.00	230.00	287.00	---	---
MEAN	7.13	7.14	2.06	5.80	13.87	8.53	13.42	9.87	7.67	9.26	---	---
MAX	36.00	33.00	21.00	38.00	82.00	42.00	75.00	42.00	43.00	41.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40100 Name: Rio Botija

LOCATION.-- Lat 8°50'9.76"N Long 80°37'3.88"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 17.79 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 250.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.00	1.00	14.00	0.00	5.00	55.00	20.00	35.00	0.00	7.00	---	---
2	15.00	3.00	9.00	0.00	57.00	21.00	23.00	4.00	0.00	0.00	---	---
3	4.00	0.00	4.00	0.00	14.00	0.00	0.00	0.00	0.00	1.00	---	---
4	5.00	0.00	2.00	0.00	12.00	0.00	20.00	0.00	0.00	3.00	---	---
5	24.00	15.00	1.00	0.00	1.00	9.00	5.00	9.00	2.00	7.00	---	---
6	21.00	1.00	0.00	4.00	0.00	5.00	1.00	0.00	0.00	6.00	---	---
7	9.00	0.00	1.00	1.00	143.00	43.00	0.00	31.00	19.00	6.00	---	---
8	0.00	2.00	0.00	5.00	0.00	0.00	2.00	0.00	5.00	22.00	---	---
9	1.00	6.00	0.00	19.00	0.00	2.00	10.00	2.00	0.00	21.00	---	---
10	0.00	36.00	1.00	11.00	0.00	5.00	2.00	10.00	5.00	9.00	---	---
11	0.00	11.00	38.00	4.00	1.00	0.00	5.00	0.00	0.00	6.00	---	---
12	5.00	5.00	0.00	1.00	5.00	0.00	12.00	5.00	35.00	25.00	---	---
13	10.00	12.00	0.00	0.00	12.00	4.00	18.00	37.00	20.00	1.00	---	---
14	0.00	11.00	0.00	0.00	39.00	20.00	4.00	1.00	1.00	0.00	---	---
15	0.00	0.00	0.00	0.00	0.00	1.00	4.00	0.00	34.00	0.00	---	---
16	12.00	2.00	0.00	1.00	0.00	0.00	20.00	3.00	0.00	3.00	---	---
17	0.00	12.00	0.00	2.00	2.00	0.00	1.00	14.00	11.00	9.00	---	---
18	0.00	9.00	2.00	21.00	2.00	0.00	81.00	20.00	11.00	26.00	---	---
19	0.00	4.00	0.00	4.00	3.00	6.00	3.00	18.00	27.00	44.00	---	---
20	27.00	6.00	0.00	25.00	9.00	2.00	10.00	10.00	0.00	10.00	---	---
21	1.00	14.00	1.00	1.00	29.00	66.00	34.00	0.00	17.00	10.00	---	---
22	0.00	0.00	5.00	0.00	1.00	3.00	0.00	27.00	0.00	15.00	---	---
23	6.00	5.00	1.00	1.00	2.00	18.00	0.00	11.00	0.00	1.00	---	---
24	22.00	0.00	0.00	3.00	1.00	48.00	9.00	12.00	5.00	2.00	---	---
25	3.00	3.00	5.00	0.00	11.00	1.00	1.00	0.00	3.00	1.00	---	---
26	0.00	5.00	0.00	13.00	5.00	0.00	2.00	1.00	1.00	2.00	---	---
27	1.00	7.00	2.00	24.00	6.00	0.00	22.00	0.00	0.00	4.00	---	---
28	0.00	4.00	2.00	6.00	25.00	3.00	86.00	3.00	33.00	0.00	---	---
29	2.00	11.00	0.00	0.00	1.00	53.00	0.00	0.00	0.00	0.00	---	---
30	2.00	---	0.00	0.00	1.00	33.00	3.00	0.00	47.00	1.00	---	---
31	1.00	---	0.00	---	51.00	---	0.00	13.00	---	0.00	---	---
TOTAL	177.00	185.00	88.00	146.00	438.00	398.00	398.00	266.00	276.00	242.00	---	---
MEAN	5.71	6.38	2.84	4.87	14.13	13.27	12.84	8.58	9.20	7.81	---	---
MAX	27.00	36.00	38.00	25.00	143.00	66.00	86.00	37.00	47.00	44.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40140 Name: W-46

LOCATION.-- Lat 8°57'17.57"N Long 80°40'17.35"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 01/24/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 283.00mm on 11/26/2015

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.00	1.00	18.00	0.00	0.00	9.00	32.00	97.00	0.00	10.00	---	---
2	97.00	11.00	19.00	0.00	0.00	7.00	15.00	1.00	1.00	0.00	---	---
3	14.00	5.00	1.00	0.00	1.00	0.00	3.00	0.00	0.00	0.00	---	---
4	17.00	0.00	7.00	1.00	0.00	0.00	56.00	0.00	4.00	0.00	---	---
5	20.00	24.00	4.00	3.00	0.00	5.00	8.00	14.00	4.00	0.00	---	---
6	27.00	0.00	0.00	4.00	3.00	33.00	18.00	24.00	0.00	0.00	---	---
7	4.00	0.00	0.00	1.00	185.00	16.00	8.00	40.00	15.00	1.00	---	---
8	1.00	9.00	1.00	6.00	0.00	1.00	6.00	0.00	7.00	5.00	---	---
9	0.00	10.00	2.00	16.00	0.00	1.00	42.00	20.00	1.00	0.00	---	---
10	4.00	15.00	1.00	3.00	0.00	7.00	13.00	3.00	1.00	18.00	---	---
11	1.00	21.00	0.00	10.00	7.00	3.00	6.00	1.00	0.00	3.00	---	---
12	1.00	1.00	1.00	4.00	29.00	2.00	24.00	1.00	41.00	58.00	---	---
13	15.00	5.00	0.00	0.00	63.00	44.00	13.00	0.00	3.00	4.00	---	---
14	0.00	0.00	0.00	5.00	115.00	24.00	16.00	0.00	0.00	0.00	---	---
15	0.00	1.00	53.00	0.00	0.00	0.00	16.00	1.00	21.00	5.00	---	---
16	10.00	5.00	3.00	1.00	3.00	0.00	21.00	45.00	0.00	3.00	---	---
17	0.00	8.00	0.00	6.00	6.00	1.00	13.00	5.00	4.00	5.00	---	---
18	0.00	13.00	5.00	54.00	5.00	1.00	20.00	41.00	61.00	0.00	---	---
19	6.00	0.00	0.00	18.00	2.00	13.00	2.00	83.00	70.00	2.00	---	---
20	24.00	3.00	0.00	61.00	11.00	12.00	49.00	2.00	0.00	0.00	---	---
21	3.00	15.00	1.00	10.00	24.00	13.00	41.00	33.00	7.00	5.00	---	---
22	0.00	1.00	3.00	0.00	2.00	5.00	0.00	6.00	0.00	52.00	---	---
23	15.00	7.00	0.00	2.00	7.00	87.00	0.00	4.00	0.00	44.00	---	---
24	37.00	1.00	0.00	1.00	53.00	16.00	27.00	90.00	16.00	13.00	---	---
25	1.00	0.00	1.00	0.00	3.00	0.00	7.00	1.00	24.00	0.00	---	---
26	0.00	8.00	0.00	5.00	33.00	1.00	22.00	0.00	1.00	17.00	---	---
27	2.00	4.00	13.00	13.00	2.00	20.00	39.00	0.00	27.00	25.00	---	---
28	0.00	2.00	7.00	0.00	15.00	4.00	31.00	1.00	8.00	0.00	---	---
29	4.00	22.00	1.00	0.00	39.00	16.00	0.00	0.00	2.00	0.00	---	---
30	15.00	---	0.00	0.00	0.00	22.00	11.00	4.00	94.00	48.00	---	---
31	2.00	---	0.00	---	22.00	---	0.00	30.00	---	1.00	---	---
TOTAL	334.00	192.00	141.00	224.00	630.00	363.00	559.00	547.00	412.00	319.00	---	---
MEAN	10.77	6.62	4.55	7.47	20.32	12.10	18.03	17.65	13.73	10.29	---	---
MAX	97.00	24.00	53.00	61.00	185.00	87.00	56.00	90.00	94.00	58.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40160 Name: Punta Rincón

LOCATION.-- Lat 9°0'16.2"N Long 80°41'53.8"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 09/18/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 316.00mm on 12/06/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.00	6.00	19.00	0.00	0.00	66.00	60.00	86.00	0.00	9.00	---	---
2	139.00	5.00	10.00	0.00	0.00	5.00	10.00	4.00	0.00	0.00	---	---
3	2.00	3.00	0.00	0.00	0.00	0.00	1.00	5.00	0.00	0.00	---	---
4	18.00	0.00	5.00	2.00	0.00	0.00	72.00	1.00	11.00	0.00	---	---
5	13.00	5.00	1.00	0.00	0.00	7.00	7.00	15.00	7.00	0.00	---	---
6	7.00	0.00	1.00	7.00	7.00	12.00	6.00	27.00	1.00	0.00	---	---
7	6.00	0.00	0.00	3.00	176.00	8.00	20.00	50.00	52.00	1.00	---	---
8	0.00	3.00	8.00	9.00	0.00	3.00	22.00	0.00	14.00	2.00	---	---
9	0.00	11.00	0.00	11.00	0.00	1.00	57.00	66.00	3.00	2.00	---	---
10	2.00	6.00	0.00	1.00	1.00	38.00	28.00	15.00	0.00	80.00	---	---
11	0.00	14.00	---	5.00	23.00	1.00	0.00	0.00	0.00	5.00	---	---
12	0.00	1.00	---	4.00	19.00	4.00	36.00	1.00	16.00	78.00	---	---
13	26.00	7.00	---	0.00	2.00	17.00	41.00	0.00	1.00	7.00	---	---
14	0.00	0.00	0.00	2.00	---	18.00	12.00	1.00	0.00	11.00	---	---
15	0.00	0.00	0.00	0.00	25.00	0.00	14.00	0.00	24.00	4.00	---	---
16	11.00	2.00	2.00	3.00	13.00	0.00	18.00	18.00	0.00	4.00	---	---
17	0.00	7.00	2.00	6.00	3.00	15.00	18.00	16.00	6.00	7.00	---	---
18	0.00	6.00	6.00	28.00	17.00	1.00	12.00	58.00	47.00	0.00	---	---
19	2.00	0.00	0.00	2.00	2.00	14.00	0.00	45.00	114.00	0.00	---	---
20	24.00	3.00	0.00	70.00	10.00	4.00	71.00	6.00	0.00	0.00	---	---
21	7.00	6.00	0.00	14.00	36.00	39.00	39.00	0.00	13.00	2.00	---	---
22	0.00	0.00	0.00	0.00	4.00	1.00	0.00	7.00	0.00	44.00	---	---
23	7.00	6.00	0.00	1.00	18.00	98.00	17.00	4.00	0.00	64.00	---	---
24	11.00	1.00	0.00	8.00	87.00	25.00	38.00	63.00	11.00	9.00	---	---
25	0.00	0.00	2.00	2.00	10.00	0.00	10.00	2.00	14.00	1.00	---	---
26	0.00	3.00	0.00	1.00	60.00	17.00	9.00	0.00	0.00	28.00	---	---
27	1.00	1.00	11.00	3.00	1.00	2.00	32.00	0.00	12.00	36.00	---	---
28	0.00	2.00	2.00	1.00	47.00	23.00	21.00	0.00	15.00	0.00	---	---
29	2.00	13.00	0.00	0.00	14.00	11.00	0.00	0.00	0.00	0.00	---	---
30	35.00	---	0.00	0.00	1.00	28.00	11.00	1.00	71.00	20.00	---	---
31	2.00	---	4.00	---	10.00	---	0.00	4.00	---	6.00	---	---
TOTAL	325.00	111.00	73.00	183.00	586.00	458.00	682.00	495.00	432.00	420.00	---	---
MEAN	10.48	3.83	2.35	6.10	18.90	15.27	22.00	15.97	14.40	13.55	---	---
MAX	139.00	14.00	11.00	70.00	176.00	98.00	72.00	66.00	114.00	80.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40180 Name: Botija Laydown

LOCATION.-- Lat 8.848496 N Long 80.644634 W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 03/14/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 257.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.00	0.00	16.00	0.00	0.00	57.00	13.00	29.00	1.00	3.00	---	---
2	29.00	4.00	8.00	0.00	59.00	16.00	14.00	1.00	0.00	0.00	---	---
3	9.00	1.00	1.00	0.00	33.00	0.00	0.00	0.00	0.00	1.00	---	---
4	7.00	0.00	2.00	0.00	2.00	0.00	21.00	0.00	0.00	3.00	---	---
5	23.00	12.00	3.00	1.00	0.00	2.00	5.00	11.00	0.00	0.00	---	---
6	44.00	0.00	0.00	2.00	0.00	15.00	3.00	0.00	0.00	7.00	---	---
7	6.00	0.00	1.00	2.00	122.00	32.00	0.00	28.00	7.00	8.00	---	---
8	0.00	2.00	0.00	7.00	0.00	0.00	0.00	0.00	7.00	53.00	---	---
9	1.00	6.00	4.00	12.00	0.00	9.00	10.00	1.00	0.00	20.00	---	---
10	1.00	35.00	21.00	10.00	0.00	2.00	5.00	6.00	2.00	8.00	---	---
11	0.00	10.00	1.00	3.00	3.00	1.00	5.00	0.00	0.00	3.00	---	---
12	5.00	6.00	0.00	1.00	5.00	1.00	12.00	2.00	34.00	15.00	---	---
13	8.00	3.00	0.00	0.00	8.00	4.00	18.00	21.00	44.00	16.00	---	---
14	1.00	11.00	0.00	0.00	66.00	18.00	13.00	1.00	0.00	0.00	---	---
15	0.00	0.00	0.00	1.00	1.00	0.00	7.00	0.00	13.00	0.00	---	---
16	11.00	3.00	0.00	0.00	0.00	0.00	36.00	6.00	0.00	1.00	---	---
17	0.00	16.00	0.00	6.00	3.00	1.00	2.00	26.00	12.00	8.00	---	---
18	0.00	18.00	3.00	17.00	22.00	0.00	65.00	21.00	28.00	0.00	---	---
19	3.00	3.00	1.00	3.00	3.00	9.00	4.00	28.00	17.00	28.00	---	---
20	40.00	5.00	0.00	50.00	4.00	2.00	27.00	4.00	1.00	14.00	---	---
21	2.00	9.00	0.00	2.00	16.00	10.00	31.00	0.00	16.00	2.00	---	---
22	0.00	1.00	6.00	0.00	1.00	9.00	0.00	22.00	0.00	21.00	---	---
23	6.00	6.00	0.00	0.00	1.00	21.00	1.00	16.00	0.00	5.00	---	---
24	24.00	0.00	0.00	18.00	2.00	17.00	9.00	38.00	6.00	13.00	---	---
25	0.00	1.00	7.00	1.00	11.00	0.00	0.00	1.00	4.00	0.00	---	---
26	0.00	5.00	0.00	12.00	21.00	0.00	8.00	1.00	0.00	1.00	---	---
27	0.00	4.00	5.00	18.00	9.00	0.00	18.00	0.00	0.00	7.00	---	---
28	0.00	10.00	7.00	16.00	21.00	6.00	68.00	1.00	22.00	0.00	---	---
29	5.00	9.00	0.00	1.00	2.00	23.00	0.00	0.00	3.00	2.00	---	---
30	5.00	---	2.00	0.00	0.00	16.00	0.00	0.00	47.00	12.00	---	---
31	1.00	---	0.00	---	40.00	---	0.00	21.00	---	1.00	---	---
TOTAL	244.00	180.00	88.00	183.00	455.00	271.00	395.00	285.00	264.00	252.00	---	---
MEAN	7.87	6.21	2.84	6.10	14.68	9.03	12.74	9.19	8.80	8.13	---	---
MAX	44.00	35.00	21.00	50.00	122.00	32.00	68.00	38.00	47.00	53.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40200 Name: Rio del Medio

LOCATION.-- Lat 8°55'54.99"N Long 80°40'10.71"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 41.49 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 371.00mm on 11/26/2015

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.00	0.00	19.00	0.00	4.00	7.00	15.00	75.00	0.00	9.00	---	---
2	116.00	7.00	20.00	0.00	0.00	8.00	19.00	1.00	1.00	0.00	---	---
3	16.00	3.00	2.00	0.00	2.00	0.00	2.00	0.00	0.00	0.00	---	---
4	17.00	0.00	7.00	2.00	0.00	0.00	37.00	0.00	4.00	0.00	---	---
5	17.00	13.00	2.00	3.00	0.00	6.00	8.00	6.00	4.00	0.00	---	---
6	40.00	2.00	0.00	4.00	0.00	32.00	9.00	18.00	0.00	0.00	---	---
7	4.00	1.00	1.00	2.00	160.00	22.00	2.00	35.00	17.00	2.00	---	---
8	0.00	8.00	0.00	8.00	0.00	2.00	5.00	0.00	15.00	6.00	---	---
9	1.00	9.00	4.00	15.00	0.00	2.00	31.00	8.00	0.00	3.00	---	---
10	10.00	27.00	1.00	3.00	0.00	7.00	11.00	3.00	1.00	8.00	---	---
11	1.00	26.00	0.00	6.00	1.00	3.00	9.00	0.00	0.00	3.00	---	---
12	4.00	2.00	0.00	3.00	32.00	2.00	17.00	1.00	28.00	37.00	---	---
13	13.00	6.00	---	0.00	64.00	18.00	18.00	6.00	2.00	10.00	---	---
14	0.00	3.00	0.00	2.00	87.00	22.00	19.00	0.00	0.00	2.00	---	---
15	0.00	1.00	0.00	1.00	1.00	0.00	38.00	0.00	20.00	7.00	---	---
16	10.00	3.00	2.00	0.00	1.00	0.00	22.00	36.00	0.00	1.00	---	---
17	0.00	10.00	0.00	3.00	3.00	1.00	10.00	4.00	5.00	4.00	---	---
18	0.00	19.00	8.00	54.00	6.00	0.00	25.00	76.00	46.00	0.00	---	---
19	2.00	7.00	0.00	4.00	1.00	14.00	7.00	96.00	74.00	3.00	---	---
20	25.00	8.00	0.00	67.00	7.00	14.00	61.00	2.00	0.00	1.00	---	---
21	2.00	12.00	0.00	8.00	29.00	7.00	69.00	3.00	11.00	1.00	---	---
22	1.00	1.00	4.00	0.00	2.00	6.00	0.00	5.00	0.00	87.00	---	---
23	18.00	9.00	0.00	2.00	2.00	72.00	0.00	14.00	0.00	38.00	---	---
24	30.00	1.00	0.00	1.00	13.00	18.00	42.00	113.00	38.00	18.00	---	---
25	0.00	0.00	3.00	0.00	9.00	0.00	4.00	1.00	13.00	0.00	---	---
26	1.00	12.00	0.00	2.00	42.00	0.00	26.00	1.00	2.00	5.00	---	---
27	0.00	5.00	12.00	46.00	1.00	0.00	49.00	0.00	5.00	26.00	---	---
28	0.00	7.00	3.00	0.00	34.00	4.00	35.00	0.00	14.00	0.00	---	---
29	4.00	23.00	0.00	0.00	45.00	9.00	0.00	1.00	18.00	3.00	---	---
30	18.00	---	0.00	0.00	0.00	21.00	6.00	1.00	93.00	44.00	---	---
31	4.00	---	0.00	---	17.00	---	0.00	12.00	---	0.00	---	---
TOTAL	365.00	225.00	88.00	236.00	563.00	297.00	596.00	518.00	411.00	318.00	---	---
MEAN	11.77	7.76	2.84	7.87	18.16	9.90	19.23	16.71	13.70	10.26	---	---
MAX	116.00	27.00	20.00	67.00	160.00	72.00	69.00	113.00	93.00	87.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40500 Name: Rio Petaquilla

LOCATION.-- Lat 8°50'22.31"N Long 80°41'56.11"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 10.98 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 231.00mm on 11/18/2012

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.00	0.00	5.00	0.00	0.00	25.00	17.00	29.00	0.00	9.00	---	---
2	14.00	2.00	4.00	0.00	40.00	2.00	11.00	5.00	1.00	0.00	---	---
3	2.00	1.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00	0.00	---	---
4	3.00	0.00	2.00	1.00	12.00	0.00	16.00	0.00	0.00	15.00	---	---
5	19.00	6.00	3.00	10.00	0.00	1.00	16.00	6.00	0.00	0.00	---	---
6	20.00	0.00	0.00	5.00	0.00	33.00	2.00	1.00	0.00	10.00	---	---
7	2.00	3.00	0.00	4.00	141.00	17.00	0.00	49.00	16.00	46.00	---	---
8	0.00	7.00	0.00	7.00	0.00	1.00	1.00	2.00	5.00	15.00	---	---
9	0.00	5.00	1.00	13.00	0.00	19.00	21.00	5.00	0.00	2.00	---	---
10	3.00	13.00	0.00	5.00	0.00	2.00	4.00	0.00	4.00	2.00	---	---
11	5.00	16.00	1.00	4.00	20.00	1.00	2.00	0.00	0.00	10.00	---	---
12	2.00	2.00	0.00	1.00	31.00	2.00	14.00	1.00	29.00	28.00	---	---
13	3.00	12.00	0.00	0.00	21.00	2.00	36.00	11.00	16.00	6.00	---	---
14	0.00	1.00	0.00	0.00	129.00	18.00	21.00	1.00	0.00	0.00	---	---
15	0.00	2.00	36.00	0.00	1.00	0.00	1.00	0.00	9.00	1.00	---	---
16	6.00	3.00	1.00	0.00	0.00	0.00	86.00	0.00	1.00	1.00	---	---
17	0.00	11.00	0.00	0.00	7.00	7.00	4.00	13.00	26.00	5.00	---	---
18	0.00	9.00	1.00	26.00	20.00	0.00	39.00	30.00	12.00	0.00	---	---
19	1.00	2.00	0.00	14.00	0.00	20.00	3.00	51.00	55.00	12.00	---	---
20	25.00	12.00	0.00	49.00	19.00	1.00	74.00	6.00	0.00	21.00	---	---
21	0.00	3.00	4.00	3.00	33.00	5.00	37.00	0.00	18.00	9.00	---	---
22	0.00	0.00	2.00	0.00	8.00	4.00	0.00	23.00	1.00	38.00	---	---
23	6.00	1.00	1.00	0.00	15.00	38.00	2.00	75.00	0.00	11.00	---	---
24	16.00	0.00	1.00	3.00	20.00	8.00	37.00	72.00	22.00	26.00	---	---
25	0.00	4.00	2.00	0.00	3.00	0.00	9.00	3.00	5.00	9.00	---	---
26	0.00	2.00	0.00	0.00	3.00	0.00	2.00	0.00	1.00	1.00	---	---
27	1.00	4.00	5.00	59.00	1.00	0.00	62.00	0.00	0.00	3.00	---	---
28	0.00	3.00	4.00	17.00	47.00	6.00	36.00	4.00	8.00	0.00	---	---
29	8.00	6.00	3.00	0.00	11.00	10.00	0.00	0.00	1.00	3.00	---	---
30	15.00	---	3.00	0.00	0.00	49.00	10.00	36.00	51.00	8.00	---	---
31	0.00	---	0.00	---	29.00	---	0.00	4.00	---	6.00	---	---
TOTAL	155.00	130.00	79.00	221.00	628.00	271.00	563.00	427.00	281.00	297.00	---	---
MEAN	5.00	4.48	2.55	7.37	20.26	9.03	18.16	13.77	9.37	9.58	---	---
MAX	25.00	16.00	36.00	59.00	141.00	49.00	86.00	75.00	55.00	46.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40550 Name: Poza-4 TMF

LOCATION.-- Lat 8.899354 N Long 80.672072 W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 11/17/2015-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 172.00mm on 05/07/2016

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.00	0.00	14.00	0.00	0.00	10.00	14.00	74.00	0.00	7.00	---	---
2	58.00	5.00	14.00	0.00	11.00	8.00	22.00	4.00	0.00	0.00	---	---
3	18.00	0.00	3.00	0.00	7.00	0.00	0.00	0.00	0.00	1.00	---	---
4	19.00	0.00	6.00	2.00	10.00	0.00	51.00	0.00	1.00	0.00	---	---
5	19.00	8.00	3.00	2.00	1.00	1.00	5.00	0.00	4.00	0.00	---	---
6	29.00	0.00	0.00	5.00	0.00	47.00	7.00	3.00	0.00	0.00	---	---
7	6.00	1.00	0.00	1.00	172.00	25.00	2.00	49.00	7.00	2.00	---	---
8	0.00	5.00	0.00	3.00	1.00	12.00	2.00	1.00	5.00	10.00	---	---
9	1.00	13.00	2.00	21.00	0.00	0.00	23.00	2.00	0.00	5.00	---	---
10	3.00	30.00	2.00	9.00	0.00	6.00	10.00	1.00	2.00	4.00	---	---
11	1.00	25.00	18.00	2.00	0.00	10.00	10.00	0.00	1.00	3.00	---	---
12	3.00	5.00	0.00	3.00	24.00	11.00	14.00	2.00	46.00	30.00	---	---
13	11.00	12.00	0.00	0.00	40.00	22.00	73.00	20.00	5.00	14.00	---	---
14	1.00	2.00	0.00	1.00	56.00	15.00	20.00	0.00	0.00	1.00	---	---
15	0.00	0.00	0.00	0.00	1.00	0.00	13.00	0.00	23.00	2.00	---	---
16	9.00	7.00	1.00	1.00	1.00	0.00	21.00	32.00	0.00	0.00	---	---
17	0.00	11.00	0.00	1.00	3.00	1.00	6.00	2.00	10.00	5.00	---	---
18	0.00	18.00	4.00	38.00	10.00	0.00	33.00	21.00	23.00	0.00	---	---
19	2.00	5.00	0.00	4.00	0.00	14.00	7.00	63.00	67.00	4.00	---	---
20	40.00	9.00	0.00	57.00	8.00	6.00	65.00	2.00	0.00	2.00	---	---
21	1.00	6.00	1.00	5.00	27.00	3.00	33.00	0.00	30.00	22.00	---	---
22	1.00	2.00	5.00	0.00	1.00	11.00	0.00	11.00	0.00	44.00	---	---
23	6.00	5.00	0.00	1.00	2.00	41.00	0.00	21.00	0.00	13.00	---	---
24	30.00	0.00	0.00	2.00	12.00	23.00	40.00	72.00	32.00	20.00	---	---
25	0.00	2.00	7.00	0.00	9.00	0.00	2.00	0.00	5.00	0.00	---	---
26	1.00	5.00	1.00	4.00	24.00	0.00	15.00	0.00	3.00	0.00	---	---
27	0.00	2.00	11.00	18.00	1.00	0.00	24.00	1.00	0.00	12.00	---	---
28	0.00	10.00	3.00	2.00	65.00	8.00	35.00	16.00	16.00	0.00	---	---
29	5.00	19.00	0.00	0.00	22.00	5.00	0.00	0.00	7.00	8.00	---	---
30	10.00	---	3.00	0.00	0.00	17.00	1.00	0.00	61.00	36.00	---	---
31	3.00	---	0.00	---	18.00	---	0.00	15.00	---	4.00	---	---
TOTAL	283.00	207.00	98.00	182.00	526.00	296.00	548.00	412.00	348.00	249.00	---	---
MEAN	9.13	7.14	3.16	6.07	16.97	9.87	17.68	13.29	11.60	8.03	---	---
MAX	58.00	30.00	18.00	57.00	172.00	47.00	73.00	72.00	67.00	44.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40650 Name: TMF Wx

LOCATION.-- Lat 8°53'0.18"N Long 80°38'37.20"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 02/13/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 218.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.00	0.00	20.00	0.00	0.00	22.00	16.00	53.00	0.00	7.00	---	---
2	52.00	5.00	13.00	0.00	31.00	26.00	15.00	1.00	1.00	0.00	---	---
3	7.00	0.00	3.00	0.00	23.00	1.00	0.00	0.00	0.00	1.00	---	---
4	8.00	0.00	5.00	0.00	3.00	0.00	32.00	0.00	4.00	0.00	---	---
5	36.00	24.00	1.00	0.00	0.00	0.00	6.00	1.00	4.00	0.00	---	---
6	28.00	1.00	1.00	3.00	0.00	42.00	3.00	2.00	0.00	1.00	---	---
7	3.00	0.00	0.00	1.00	139.00	24.00	0.00	34.00	6.00	4.00	---	---
8	0.00	3.00	0.00	8.00	0.00	13.00	2.00	0.00	12.00	18.00	---	---
9	0.00	7.00	1.00	9.00	0.00	0.00	13.00	1.00	0.00	6.00	---	---
10	2.00	34.00	15.00	7.00	0.00	6.00	3.00	1.00	3.00	5.00	---	---
11	0.00	10.00	1.00	2.00	3.00	1.00	3.00	0.00	0.00	5.00	---	---
12	4.00	4.00	0.00	1.00	9.00	4.00	21.00	3.00	44.00	33.00	---	---
13	13.00	9.00	0.00	0.00	24.00	24.00	45.00	15.00	15.00	12.00	---	---
14	1.00	8.00	0.00	1.00	56.00	37.00	34.00	1.00	0.00	0.00	---	---
15	0.00	1.00	0.00	1.00	0.00	0.00	13.00	0.00	33.00	1.00	---	---
16	10.00	4.00	1.00	0.00	0.00	0.00	20.00	25.00	0.00	1.00	---	---
17	0.00	10.00	0.00	13.00	6.00	0.00	4.00	8.00	11.00	6.00	---	---
18	0.00	25.00	5.00	18.00	4.00	0.00	52.00	28.00	27.00	0.00	---	---
19	2.00	4.00	0.00	3.00	5.00	20.00	4.00	40.00	30.00	25.00	---	---
20	39.00	7.00	0.00	60.00	5.00	2.00	38.00	2.00	0.00	15.00	---	---
21	0.00	9.00	0.00	2.00	26.00	6.00	30.00	0.00	23.00	4.00	---	---
22	1.00	3.00	7.00	0.00	1.00	5.00	0.00	21.00	0.00	20.00	---	---
23	10.00	8.00	0.00	2.00	0.00	30.00	1.00	14.00	0.00	6.00	---	---
24	34.00	0.00	0.00	1.00	5.00	22.00	19.00	68.00	18.00	12.00	---	---
25	0.00	2.00	4.00	0.00	9.00	1.00	1.00	2.00	6.00	1.00	---	---
26	0.00	10.00	0.00	11.00	10.00	0.00	21.00	0.00	1.00	5.00	---	---
27	1.00	4.00	4.00	28.00	0.00	0.00	14.00	0.00	0.00	10.00	---	---
28	0.00	5.00	3.00	60.00	55.00	5.00	50.00	0.00	45.00	0.00	---	---
29	2.00	15.00	0.00	0.00	8.00	3.00	0.00	1.00	5.00	5.00	---	---
30	6.00	---	1.00	0.00	0.00	30.00	1.00	0.00	55.00	22.00	---	---
31	1.00	---	0.00	---	29.00	---	0.00	16.00	---	2.00	---	---
TOTAL	268.00	212.00	85.00	231.00	451.00	324.00	461.00	337.00	343.00	227.00	---	---
MEAN	8.65	7.31	2.74	7.70	14.55	10.80	14.87	10.87	11.43	7.32	---	---
MAX	52.00	34.00	15.00	60.00	139.00	42.00	52.00	68.00	55.00	33.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40700 Name: Caimito Wx

LOCATION.-- Lat 9°1'13.31"N Long 80°41'1.92"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A.

PERIOD OF RECORD.-- 12/07/2011-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 248.00mm on 12/06/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2016 TO DECEMBER 2016

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	15.00	10.00	14.00	0.00	0.00	50.00	68.00	56.00	0.00	11.00	---	---
2	108.00	12.00	13.00	0.00	0.00	11.00	12.00	2.00	1.00	0.00	---	---
3	4.00	10.00	0.00	0.00	0.00	0.00	1.00	35.00	0.00	0.00	---	---
4	8.00	0.00	2.00	0.00	0.00	0.00	91.00	1.00	27.00	0.00	---	---
5	23.00	5.00	10.00	0.00	0.00	7.00	3.00	18.00	17.00	0.00	---	---
6	4.00	0.00	0.00	7.00	1.00	14.00	10.00	33.00	34.00	0.00	---	---
7	0.00	0.00	0.00	0.00	176.00	5.00	17.00	55.00	36.00	1.00	---	---
8	0.00	2.00	1.00	5.00	0.00	4.00	49.00	0.00	10.00	3.00	---	---
9	0.00	6.00	0.00	6.00	0.00	0.00	61.00	20.00	4.00	4.00	---	---
10	2.00	13.00	23.00	1.00	2.00	37.00	20.00	40.00	0.00	84.00	---	---
11	0.00	13.00	0.00	0.00	1.00	0.00	2.00	2.00	0.00	11.00	---	---
12	0.00	0.00	1.00	6.00	19.00	4.00	41.00	2.00	11.00	80.00	---	---
13	32.00	5.00	0.00	1.00	22.00	10.00	23.00	0.00	10.00	25.00	---	---
14	1.00	0.00	0.00	3.00	150.00	18.00	21.00	7.00	0.00	6.00	---	---
15	0.00	1.00	0.00	0.00	5.00	0.00	8.00	0.00	29.00	12.00	---	---
16	8.00	3.00	8.00	3.00	27.00	0.00	22.00	13.00	0.00	4.00	---	---
17	0.00	1.00	0.00	0.00	4.00	4.00	22.00	23.00	8.00	6.00	---	---
18	0.00	5.00	3.00	16.00	19.00	0.00	23.00	85.00	34.00	0.00	---	---
19	2.00	0.00	1.00	2.00	8.00	15.00	0.00	29.00	72.00	0.00	---	---
20	22.00	3.00	0.00	62.00	10.00	7.00	60.00	11.00	0.00	0.00	---	---
21	1.00	10.00	0.00	11.00	27.00	124.00	42.00	0.00	19.00	5.00	---	---
22	0.00	0.00	0.00	0.00	14.00	2.00	0.00	5.00	0.00	84.00	---	---
23	15.00	5.00	0.00	2.00	13.00	89.00	35.00	4.00	0.00	71.00	---	---
24	19.00	1.00	0.00	8.00	95.00	31.00	28.00	58.00	18.00	4.00	---	---
25	0.00	0.00	4.00	0.00	13.00	0.00	21.00	2.00	25.00	1.00	---	---
26	0.00	1.00	0.00	0.00	46.00	9.00	13.00	0.00	0.00	11.00	---	---
27	0.00	4.00	13.00	8.00	12.00	0.00	26.00	0.00	36.00	25.00	---	---
28	0.00	2.00	0.00	0.00	29.00	12.00	28.00	0.00	11.00	0.00	---	---
29	0.00	20.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	---	---
30	10.00	---	0.00	0.00	0.00	47.00	21.00	0.00	57.00	5.00	---	---
31	0.00	---	0.00	---	6.00	---	0.00	10.00	---	10.00	---	---
TOTAL	274.00	132.00	93.00	141.00	699.00	515.00	768.00	511.00	459.00	463.00	---	---
MEAN	8.84	4.55	3.00	4.70	22.55	17.17	24.77	16.48	15.30	14.94	---	---
MAX	108.00	20.00	23.00	62.00	176.00	124.00	91.00	85.00	72.00	84.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---